

INFORMATION REPORT

COUNTRY USSR

DATE DISTR. /4 Apr 1954

SUBJECT Gorki Metals Factory (Zavod imeni Stalin)

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PLACE ACQUIRED

50X1

NO. OF ENCLS. 1
(LISTED BELOW) A

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SUPPLEMENT TO REPORT NO.

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THIS IS UNEVALUATED INFORMATION 50X1

1. The Gorki metals factory commonly called the "Zavod imeni Stalin" was considered to be one of the largest steel manufacturing plants in European USSR. It was located just north of the junction of the Volga and Oka Rivers in the city of Gorki (See Enclosure A - Sketch #1).
2. The entire enterprise contained a total area of approximately one square mile and was enclosed by a high wooden fence. The area was enclosed also by guard towers spaced approximately 100 meters apart. Entrance to the compound was gained by one of two gates [See Enclosure A - Sketch #2].
3. 50X1 the only fabricated products were two types of gun barrels. These, of course, were in addition to iron ingots which were shipped elsewhere. An engineer friend, a German prisoner of war who worked in building #5, said that wheels and wheel housings for bomber planes were produced in building #5 [See Enclosure A, Sketch #2]. No other details were available as that building was off limits to all unauthorized personnel.
4. Ore, lime, and some coal was carried by boat to the Volga River wharves of the "Stalin" factory. They were then reloaded onto railroad cars and brought to the plant by rail. Additional coal from the Urals and Donbas was delivered directly by rail.
5. The plant operated three shifts daily and employed over 10,000 men and women, many of whom were German prisoners of war.
6. 50X1 The gun barrels were manufactured in building #4 [See Enclosure A-Sketch #2]. Production was approximately evenly divided between 48 mm and 122 mm barrels. The smaller guns were produced complete and were designated as antitank guns. Only the barrel and the spades of the 122 mm guns were manufactured in this plant. The 122 mm gun was approximately 17' long and an excellent artillery piece. During World War II, this gun and found that it excelled any German piece of equal caliber. It used a 60 to 70# projectile which

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was about 30" in length, and had two copper rings at its base. Most of the projectiles had fuses in the base but some were equipped with base and nose fuses. Its maximum range was 22 kilometers. Its traverse range was 120° and it could be elevated up to 75°. A trained crew could fire the weapon at a rate of six-rounds-per minute.

7. [redacted] production was considered excellent. It could have been much better if approximately every other charge was not wasted due to improper mixture.

Legend to Enclosed Sketch #2

1. Two-story brick administration building, approximately 30' high, 50' wide and 100' long.
2. Approximately 90' high, 600' wide, and 1500' long. It contained four large oil fired Martin furnaces and a smaller Siemens electric Martin furnace. The building was distinguished by four very tall chimney stacks. One Martin furnace was emptied daily into a 15' x 18' cupula.
3. Machine Building, approximately 30' high, 500' wide, and 600' long. Contained large lathes and boring mills.
4. Forming Mill, contained 10 oil-fired heating furnaces, one large Krupp hydraulic press and many smaller presses. This building produced the 122 mm gun barrel.
5. Boring Mills Building. The 48 mm gun barrels were produced here. Approximately the same size as building #3.
6. Boiler & Power House. Furnished steam and other power to the other buildings by overhead pipes and conduits.
7. Machine Shop, slightly smaller than building #3.
8. Machine Shop, about the size of building #4.

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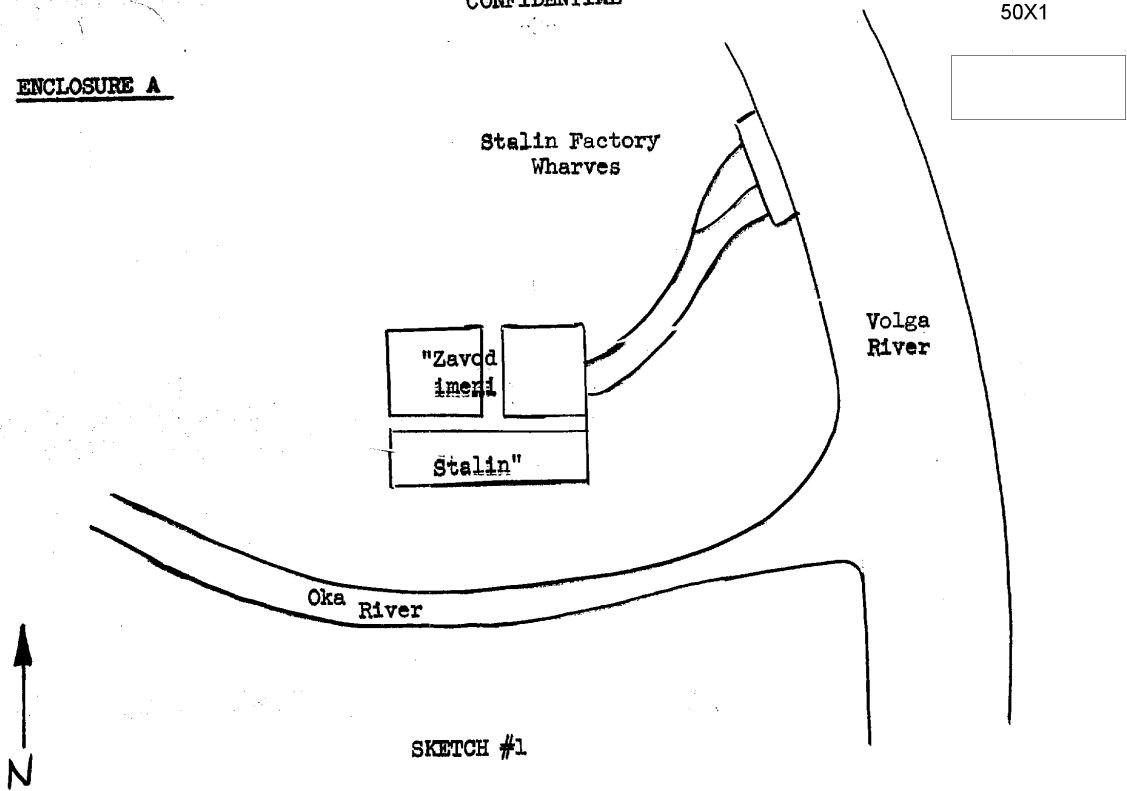
ENCLOSURE A - Sketch #1 - Location of Gorki Metals Factory (Zavod imeni Stalin) on Oka River.

Sketch #2 - Location of buildings of the Gorki Metals Factory.

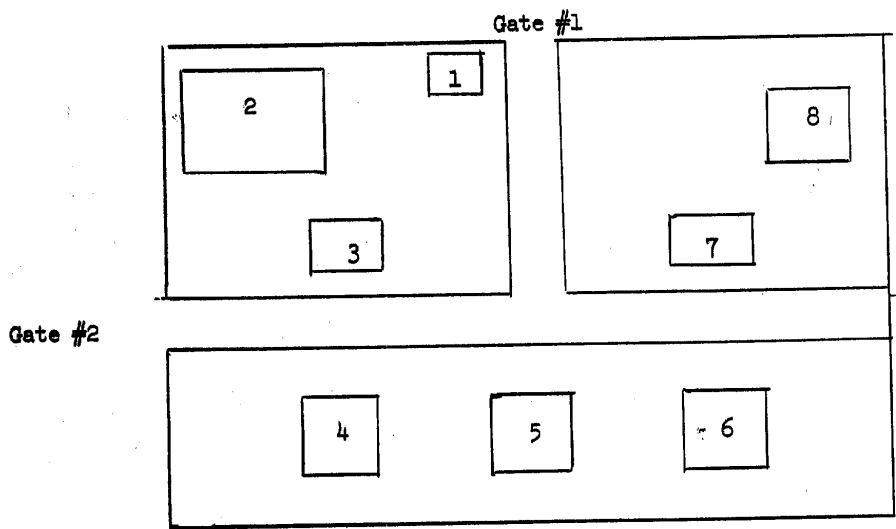
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ENCLOSURE A



(See Legend of Buildings on Page 2)



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